

SIMATIC IDENTIFICATION SYSTEMS

Product Data Sheet

6GT2811-6CA10-2AA0

RFID reader communication unit

FUNCTION	FAMILY	ORIGIN	WEIGHT
RFID reader communication unit	SIMATIC identification systems	Germany	3.311 kg

Siemens Simatic S7 6GT2811-6CA10-2AA0 is a RFID reader communication unit for the SIMATIC identification systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

transfer rate / with radio transmission / maximum	400 kbit/s
protocol / with radio transmission	EPCglobal Class 1 Gen 2 V2 / ISO/IEC 18000-62/-63
protocol / is supported / Media Redundancy Protocol (MRP) Yes	
number of external antennas	1
standard for interfaces / for communication	Ethernet, PROFINET, OPC UA, EtherNet/IP, RS422
for supply voltage	M12, 8-pin, connector
for communications interface	2 x M12 4-pin D-coded, M12 8-pin (RS422)
at the digital inputs/outputs	M12, 12-pin, female connector
number of digital inputs	4
rated value	24 V

- Read and write production transponders: Use 6GT2811-6CA10-2AA0 at the documented read point to identify carriers, tools or workpieces and exchange data with the configured controller.
- Associate product identity with each process step: Mount and align 6GT2811-6CA10-2AA0 for the approved transponder type, separation distance and communication interface; verify reliable reads across the operating envelope.
- Test antenna field and controller data: Confirm supply, interface wiring, diagnostic indications and representative read/write cycles on 6GT2811-6CA10-2AA0 before enabling automated routing or traceability decisions.

Match 6GT2811-6CA10-2AA0 to the installed SIMATIC identification systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens Industry Mall technical product data](#)

<https://mall.industry.siemens.com/mall/en/kettanehjoown/Catalog/Product?SiepCountryCode=OE&mlfb=6GT2811-6CA10-2AA0>

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